L	Hits	Search Text	DB	Time stamp
Number	38	(detect\$3 with cavitation) and (operat\$3	USPAT;	2003/04/16
-	36		US-PGPUB	13:00
	1 14	with parameter)		1
-	14		USPAT;	2003/04/11
		with parameter)) and (automatic\$4 with	US-PGPUB	16:44
İ		detect\$3)		
-	3		USPAT;	2003/04/11
		(operat\$3 with parameter)) and	US-PGPUB	17:19
		(automatic\$4 with detect\$3)) and		
İ		(characteristic with curve)		
_	16	((detect\$3 with cavitation) and (operat\$3	USPAT;	2003/04/11
	10	with parameter)) and (pressure with	US-PGPUB	16:44
		indication)	05 10105	10.11
	9		USPAT;	2003/04/11
-			US-PGPUB	16:45
		(operat\$3 with parameter)) and (pressure	USTEGEUB	10.43
		with indication)) and (automatic\$4 with		
		detect\$3)		
-	1	((((detect\$3 with cavitation) and	USPAT;	2003/04/11
		(operat\$3 with parameter)) and (pressure	US-PGPUB	16:46
	ĺ	with indication)) and (automatic\$4 with		
1	1	detect\$3)) and (fluid with flow with		
	1	indication)		
-	1	((((detect\$3 with cavitation) and	USPAT;	2003/04/11
		(operat\$3 with parameter)) and (pressure	US-PGPUB	16:46
		with indication)) and (automatic\$4 with		
		detect\$3)) and (fluid with flow)		· · ·
1_	9	((detect\$3 with cavitation) and (operat\$3	USPAT;	2003/04/11
_		with parameter)) and (fluid with flow	US-PGPUB	16:48
İ	}	with indication)	05 10105	.
	_	• · · · · · · · · · · · · · · · · · · ·	USPAT;	2003/04/11
-	3	((detects) with cavitation) and (operates)	US-PGPUB	16:49
		with parameter)) and (net with positive	US-PGPUB	10.49
	_	with suction with head)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2002/04/11
-	1	(((detect\$3 with cavitation) and	USPAT;	2003/04/11
		(operat\$3 with parameter)) and (net with	US-PGPUB	16:49
		positive with suction with head)) and		
		(alert with user)		
-	7		USPAT;	2003/04/11
-		with parameter)) and (alert with user)	US-PGPUB	16:50
-	4	((estimat\$3 or detect\$3) with cavitation)	USPAT;	2003/04/11
		and (characteristic with curve) and (net	US-PGPUB	17:11
		with positive with suction with head)		
_	1		USPAT;	2003/04/11
		and (memory with characteristic with	US-PGPUB	17:20
		curve) and processor		
<u>_</u>	29		USPAT;	2003/04/11
		and memory and (processor or	US-PGPUB	17:15
		microprocessor or computer or CPU) and		
		(operat\$3 with parameter)		1
1_	9		USPAT;	2003/04/11
-		cavitation) and memory and (processor or	US-PGPUB	18:09
		microprocessor or computer or CPU) and	35 15105	10.05
		microprocessor or computer or CPU) and		
		(operat\$3 with parameter)) and (process\$4	1	
		with plant) and pump	IICDAM.	2003/04/11
-	49	1 · · · · · · · · · · · · · · · ·	USPAT;	2003/04/11
		and (characteristic with curve)	US-PGPUB	17:28
-	6	, <u>, , , , , , , , , , , , , , , , , , </u>	USPAT;	2003/04/15
		and (characteristic with curve)) and	US-PGPUB	17:31
		((estimat\$3 or detect\$3) with cavitation)		
-	4	("6332110" "6317701" "6108616" "6055483"	USPAT;	2003/04/11
).pn.	US-PGPUB	17:28
-	0		USPAT;	2003/04/11
).pn.) and cavitation and (operat\$3 with	US-PGPUB	17:29
		parameter)		
-	1	·	USPAT;	2003/04/11
).pn.) and cavitation	US-PGPUB	17:29
-	5		USPAT;	2003/04/15
		and (characteristic with curve)) and	US-PGPUB	15:54
		((estimat\$3 or detect\$3) with cavitation)		
		and memory and (processor or	1	
		microprocessor or computer or CPU)	1	
L		WITCHOPLOCESSOL OF COMPACEL OF CEO.	L	1

Search History 9/8/03 4:53:29 PM Page 1

13					
- 0 (("4234925" "4319320" "4486381" USPAT; 2003/09/07 "4490808" "4674279" "4683718" US-PGPUB 15:35 "4770843" "4794544" "4823018" US-PGPUB 15:35 "5402332").PN.) and (suction with pressure) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (suction with parameter) and ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (suction with pressure) ((cavitation) and memory and (processor or microprocessor or computer or CPU) and (suction with pressure)) and (suction with fluid with flow) (cavitation) and memory and (processor or microprocessor or computer or CPU) and (suction with fluid with flow) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (calculat\$3 with net with position with suction) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) 702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (characteristic with user) USPAT; 2003/04/15 with parameter) and (characteristic with user) 18:12	_	13	"4490808" "4674279" "4683718"	USPAT	
"4490808" "4674279" "4683718" US-PGPUB 15:35 "4770843" "4794544" "4823018" US-PGPUB US-PGPUB US-PGPUB "5402332").PN.) and (suction with pressure) (cavitation and (operat\$3 with parameter) and (clestimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (suction with pressure) ((cavitation and (operat\$3 with parameter) and (suction with pressure) ((cavitation and (operat\$3 with cavitation) and (suction) and memory and (processor or microprocessor or computer or CPU) and (suction) and (suction) and memory and (processor or microprocessor or computer or CPU) and (suction) with pressure) and (suction) with fluid with flow) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and (suction) (cavitation and (operat\$3 with parameter) and (calculat\$3 with net with position) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3)) with cavitation) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3)) with cavitation) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and (suction) (cavitation and (operat\$3 with cavitation) and (characteristic with curve)) and (suction) (cavitation and coperat\$3 with cavitation) (cavitati			"4994684" "5322412" "5346359" "5402332").PN.	IIGDAT.	2003/09/07
pressure) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (suction with pressure) ((cavitation and (operat\$3 with parameter) and (festimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (suction with pressure) and (suction with fluid with flow) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (calculat\$3 with net with position with suction) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and (cavitation and (perat\$3 with parameter) and (festimat\$3 or detect\$3) with cavitation) and (festimat\$3 or detect\$3) with cavitation) and (net with position with suction) and (parameter) and (characteristic with curve) and (perat\$3 with parameter) and (perat\$3 with parameter) and (perat\$3 with parameter) and (perat\$3 with parameter) and (perat\$3 with parameter) and (perat\$3 with parameter) and (perat\$3 with parameter) and (perat\$3 with parameter) and (perat\$3 with parameter) and (perat\$3 with parameter) and (perat\$4 and (perat\$5 with curve)) and (perat\$6 with curve) and (perat\$6 with curve) and (perat\$6 with curve) and (perat\$7 with parameter) and (perat\$7 with suction) and perat\$7 with parameter) and (perat\$8 with parameter) and perat\$8 with parameter)			"4490808" "4674279" "4683718" "4770843" "4794544" "4823018" "4994684" "5322412" "5346359"	1 '	1
and memory and (processor or microprocessor or computer or CPU) and (suction with pressure) ((cavitation and (operat\$3 with parameter) and ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (suction with fluid with flow) ((cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (cestimat\$3 or detect\$3) with cavitation) and (calculat\$3 with net with position with suction) ((cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction)	-	3	<pre>pressure) (cavitation and (operat\$3 with parameter)</pre>		
- 2 ((cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and (suction with pressure)) and (suction with fluid with flow) - 0 (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (calculat\$3 with net with position with suction) - 1 (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (cestimat\$3 or detect\$3) with cavitation) and (cestimat\$3 or detect\$3) with cavitation) and (net with position with suction) - 0 702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) with parameter) and (characteristic with USPAT; 2003/04/15 with parameter) and (characteristic with USPAT; 2003/04/15 with parameter) and (characteristic with USPAT; 2003/04/15			and memory and (processor or microprocessor or computer or CPU) and		
with fluid with flow) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (calculat\$3 with net with position with suction) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) 702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (characteristic with US-PGPUB USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; VSPAT; VSP	-	2	((cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and memory and (processor or microprocessor or computer or CPU) and		
<pre>((estimat\$3 or detect\$3) with cavitation) and (calculat\$3 with net with position with suction) (cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) 702/\$.ccls. and cavitat\$4 and (operat\$3</pre>	_	0	with fluid with flow) (cavitation and (operat\$3 with parameter)	· ·	
- 1 (cavitation and (operat\$3 with parameter) uspat; and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation) and (net with position with suction) - 0 702/\$.ccls. and cavitat\$4 and (operat\$3 with uspat; with parameter) and (characteristic with uspat) uspat; us			((estimat\$3 or detect\$3) with cavitation) and (calculat\$3 with net with position	03-56500	17.33
- 0 702/\$.ccls. and cavitat\$4 and (operat\$3 USPAT; 2003/04/15 with parameter) and (characteristic with US-PGPUB 18:12	_	1	(cavitation and (operat\$3 with parameter) and (characteristic with curve)) and ((estimat\$3 or detect\$3) with cavitation)	1	
cavitat\$3) and (net with position with	-	0	702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (characteristic with curve) and ((estimat\$3 or detect\$3) with cavitat\$3) and (net with position with		
suction) - 10 702/\$.ccls. and cavitat\$4 and (operat\$3 USPAT; 2003/04/15 with parameter) and (monitor\$3 with data) US-PGPUB 18:33	_	10	702/\$.ccls. and cavitat\$4 and (operat\$3	i '	1
- 0 (702/\$.ccls. and cavitat\$4 and (operat\$3 USPAT; 2003/04/15 with parameter) and (monitor\$3 with data) and (net with position with suction)	-	0	(702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with data)) and (net with position with	USPAT;	2003/04/15
- 1 (702/\$.ccls. and cavitat\$4 and (operat\$3 USPAT; 2003/04/16 with parameter) and (monitor\$3 with US-PGPUB 12:07 data)) and (suction with pressure)	-	1	(702/\$.ccls. and cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with	i '	1
- 1 cavitat\$4 and (operat\$3 with parameter) USPAT; 2003/04/15 and (monitor\$3 with data) and US-PGPUB 19:06 (characteristic with curve with (voltage-current or voltage))	_	1	cavitat\$4 and (operat\$3 with parameter) and (monitor\$3 with data) and (characteristic with curve with		1
- 51 (operat\$3 with parameter) and (monitor\$3 USPAT; 2003/04/15 with data) and (characteristic with curve with (voltage-current or voltage))	-	51	with data) and (characteristic with curve	'	1
- 0 ((operat\$3 with parameter) and (monitor\$3	-	0	((operat\$3 with parameter) and (monitor\$3 with data) and (characteristic with curve with (voltage-current or voltage))) and	'	
- 3 ((operat\$3 with parameter) and (monitor\$3 with data) and (characteristic with curve with (voltage-current or voltage))) and (electrical with operating with parameter)	_	3	((operat\$3 with parameter) and (monitor\$3 with data) and (characteristic with curve with (voltage-current or voltage))) and (electrical with operating with	1	
- 1 cavitat\$4 and (operat\$3 with parameter) USPAT; 2003/04/15 and (characteristic with curve with US-PGPUB 19:06 (voltage-current or voltage))	-	1	cavitat\$4 and (operat\$3 with parameter) and (characteristic with curve with		
- 2 (monitor\$3 with system) and USPAT; 2003/04/16 (characteristic with curve with (voltage-current or voltage)) and (electrical with operating with	_	2	<pre>(monitor\$3 with system) and (characteristic with curve with (voltage-current or voltage)) and</pre>		
parameter)				<u> </u>	L

Search History 9/8/03 4:53:29 PM Page 2

_	152	(monitor\$3 with system) and	USPAT;	2003/04/16
		(characteristic with curve with	US-PGPUB	07:27
	İ	(voltage-current or voltage or V-A)) and		1 - 1 - 1
	1	(high with frequency fluctuations)		0000/04/4
_	19	((monitor\$3 with system) and	USPAT;	2003/04/16
		(characteristic with curve with	US-PGPUB	07:02
		(voltage-current or voltage or V-A)) and		
		(high with frequency fluctuations)) and		
		pump	l	
-	11	, , ,	USPAT;	2003/04/16
		(characteristic with curve with	US-PGPUB	07:02
		(voltage-current or voltage or V-A)) and		
		(high with frequency fluctuations)) and		
		pump) and parameter		
				0000/04/05
-	9	((((monitor\$3 with system) and	USPAT;	2003/04/16
Į	i	(characteristic with curve with	US-PGPUB	07:04
		(voltage-current or voltage or V-A)) and		
		(high with frequency fluctuations)) and		
		pump) and parameter) and operating	i	
	_		HCDAM:	2002/04/26
-	1		USPAT;	2003/04/16
	1	(characteristic with curve with	US-PGPUB	07:04
	1	(voltage-current or voltage or V-A)) and		
	1	(high with frequency fluctuations)) and		
	1	pump) and parameter) and operating) and		
	1			
		(high with frequency with fluctuations)		1 2022 (21/25
-	2	(((((monitor\$3 with system) and	USPAT;	2003/04/16
	1	(characteristic with curve with	US-PGPUB	07:26
		(voltage-current or voltage or V-A)) and		
		(high with frequency fluctuations)) and		
		pump) and parameter) and operating) and		
	1			
	1	(frequency with fluctuations)		0000/01/55
-	4	(monitor\$3 with system) and	USPAT;	2003/04/16
	1	(characteristic with curve with	US-PGPUB	07:18
		(voltage-current or voltage or V-A)) and		
	1	(high with frequency with fluctuations)		
1_	. 3		USPAT;	2003/04/16
1 -	. 3	((monitor\$3 with system) and		
		(characteristic with curve with	US-PGPUB	07:09
		(voltage-current or voltage or V-A)) and		
		(high with frequency with fluctuations))		
	1	and pump		
_	16	(monitor\$3 with system) and	USPAT;	2003/04/16
		(characteristic with curve) and	US-PGPUB	09:51
			OD-FGFOD	09.51
		(voltage-current or voltage or V-A) and		
	1	(high with frequency with fluctuations)		
-	5	((monitor\$3 with system) and	USPAT;	2003/04/16
		(characteristic with curve) and	US-PGPUB	07:24
		(voltage-current or voltage or V-A) and		1
	1			
		(high with frequency with fluctuations))		
		and (curve with (voltage-current or		
		voltage or V-A))		
_	25	(pump with cavitat\$3) and (curve with	USPAT;	2003/04/16
		(voltage-current or voltage or V-A))	US-PGPUB	07:28
1_	1	((pump with cavitat\$3) and (curve with	USPAT;	2003/04/16
1 -	1			1
	1	(voltage-current or voltage or V-A)))	US-PGPUB	07:26
	1	and (frequency with fluctuations)		
-	1	((monitor\$3 with system) and	USPAT;	2003/04/16
]	(characteristic with curve with	US-PGPUB	07:27
	1	(voltage-current or voltage or V-A)) and		
	1	(high with frequency fluctuations)) and	1	1
				1
	1	(pump with cavitat\$3)		0000 /00 /00
-	11	(curve with (voltage-current or voltage	USPAT;	2003/04/16
1		or V-A)) and (high with frequency with	US-PGPUB	07:43
1	!	fluctuations) and pump		1
_	5	((curve with (voltage-current or voltage	USPAT;	2003/04/16
	1		US-PGPUB	07:30
	1	or V-A)) and (high with frequency with	03-16108	07.30
	1	fluctuations) and pump) and parameter		1
-	1	(curve with (voltage-current or voltage	USPAT;	2003/04/16
1	1	or V-A)) and (high with frequency with	US-PGPUB	07:39
1			1	1
		fluctuations) and (electrical with		1
		fluctuations) and (electrical with operating with parameter)		

-	0	(monitor\$3 with rountine) and (operat\$4	USPAT;	2003/04/16
		with parameter) and (expert with engine)	US-PGPUB	09:12
		and (neural with network)		
-	6	((monitor\$3 with routine) and (operat\$4	USPAT;	2003/04/16
		with parameter) and (expert with engine)	US-PGPUB	09:33
		and (neural with network)) and cavitat\$3		1
-	7	((monitor\$3 with routine) and (operat\$4	USPAT;	2003/04/16
1		with parameter) and (expert with engine)	US-PGPUB	09:17
		and (neural with network)) and pump		
-	10	(monitor\$3 with routine) and (operat\$4	USPAT;	2003/04/16
		with parameter) and (expert with engine)	US-PGPUB	09:32
		and (neural with network)		
-	47	(monitor\$3 with system) and (operat\$4	USPAT;	2003/04/16
		with parameter) and (expert with engine)	US-PGPUB	09:50
		and (neural with network)		
_	9	((monitor\$3 with system) and (operat\$4	USPAT;	2003/04/16
		with parameter) and (expert with engine)	US-PGPUB	10:28
		and (neural with network)) and cavitat\$3		

		_				
-	164	("3096434"	"3404264"	"3468164"	USPAT	2003/04/16
		"3590370"	"3688190"	"3691842"		09:48
		"3701280"	"3973184"	"RE29383"		
1		"4058975"	"4099413"	"4102199"		
		"4122719"	"4250490"	"4337516"		
		"4399824"	"4517468"	"4530234"		
		"4571689"	"4635214"	"4642782"		
		"4644479"	"4649515"	"4707796"		
		"4736367" i	"4777585"	"4831564" I		
		"4841286"	"4873655"	"4907167" i		
		"4924418"	"4934196"	"4939753" I		
		"4964125"	"4988990"	"4992965"		
		"5005142"	"5043862"	"5053815" i		
		"5067099"	"5081598"	"5089984"		
		"5098197"	"5099436"	"5103409"		
		"5111531"	"5121467"	"5122794"		
1		"5122976"	"5130936"	"5134574" I		
1		"5137370"	"5142612"	"5143452"		
		"5148378"	"5167009"	"5175678" I		
		"5193143"	"5197114"	"5197328" I		
		"5212765"	"5214582"	"5224203"		
		"5228780"	"5235527"	"5265031"		
		"5265222"	"5269311"	"5274572"		
		"5282131"	"5282261"	"5293585"		
		"5303181"	"5305230"	3293363 "5311421"		
		"5303161"	"5327357"			
		"5317520"	"5349541"	"5333240" "5357449"		
			"5365423"	"5357449 "5367612"		
		"5361628"		"5367612" "5394341"		
		"5384699"	"5386373"			
		"5394543"	"5404064"	"5408406"		
		"5408586"	"5414645"	"5419197"		
		"5430642"	"5440478"	"5442639"		
		"5467355"	"5469070"	"5469156"		
		"5469735" "5485753"	"5481199"	"5483387"		
			"5486996"	"5488697"		
		"5489831"	"5495769"	"5510799"		
		"5511004"	"5548528"	"5561599"		i
i i		"5570300"	"5572420"	"5573032"		
		"5598521"	"5600148" "5640491"	"5623605" "5661668"		
		"5637802" "5665899"	"5640491" "5669713"	"5661668" "5671335"		
<u> </u>			"5675724"	3671333 "5680109"		
1		"5675504" "5700000"		"5680109" "5704011"		
		"5700090" "5705978"	"5703575"	"5704011" "5713668"		
		"5705978" "5719378"	"5708585" "5741074"	•		
			"5741074"	"5742845"		
		"5746511"	"5752008" "5801689"	"5764891" "5805442"		
		"5781878"		"5805442" "5848383"		
		"5828567"	"5829876" "5876122"			
		"5859964"	"5924086"	"5887978" "5926778"		
		"5923557"				
		"5940290"	"5956663"	"5970430"		
		"6016706" "6047330"	"6017143"	"6045260"		
		"6047220"	"6047222"	"6119047"		
		"6192281"	"6195591"			
		"6263487"	"6298377")	PN.		

Γ		7711200642411	1 1124042641	1 1 11246016411 1		70002/04/16
-	0	(("3096434"		·	USPAT;	2003/04/16
		"3590370"	"3688190"	"3691842"	US-PGPUB	09:48
		"3701280"	"3973184"	"RE29383"		
		"4058975"	"4099413"	"4102199"		
		"4122719"	"4250490"	"4337516"		
		"4399824"	"4517468"	"4530234"		
		"4571689"	"4635214"	"4642782"		
		"4644479"	"4649515"	"4707796"		1
		"4736367"	"4777585"	"4831564"		į į
		"4841286"	"4873655"	"4907167"		
		"4924418"	"4934196"	"4939753"		
		"4964125"	"4988990"	"4992965"		
		"5005142"	"5043862"	"5053815"		
		"5067099"	"5081598"	"5089984"		
		"5098197"	"5099436"	"5103409"	İ	
		"5111531"	"5121467"	"5122794"		
		"5122976"	"5130936"	"5134574"	1	1
		"5137370"	"5142612"	"5143452"		
		"5148378"	"5167009"	"5175678"		
		"5193143"	"5197114"	"5197328"	1	
		"5212765"	"5214582"	"5224203"		1
		"5228780"	"5235527"	"5265031"	}	1
1		"5265222"	"5269311"	"5274572"		
		"5282131"	"5282261"	"5293585"	1	
		"5303181"	"5305230"	"5311421"		
		"5317520"	"5327357"	"5333240"		1
		"5347843"	"5349541"	"5357449"		1
		"5361628"	"5365423"	"5367612"		
1		"5384699" i	"5386373"	"5394341"		
]		"5394543"	"5404064" i	"5408406"		
		"5408586" i	"5414645"	"5419197"		
		"5430642"	"5440478"	"5442639"		
		"5467355" i	"5469070" i	"5469156"		
		"5469735"	"5481199"	"5483387"		
		"5485753"	"5486996" I	"5488697"		
		"5489831" i	"5495769" I	"5510799" I		
		"5511004"	"5548528"	"5561599"		1
		"5570300" i	"5572420" I	"5573032" I		
		"5598521"	"5600148"	"5623605" I		
		"5637802" i	"5640491"	"5661668"		
		"5665899"	"5669713"	"5671335"		
		"5675504"	"5675724"	"5680109"		
		"5700090" I	"5703575"	"5704011"		
		"5705978"	"5708585" I	"5713668"		
			· · · · · · · · · · · ·			
		"5719378" "5746511"	"5741074" "5752008"	"5742845" "5764891"	1	
		"5781878"	"5801689"			
		"5828567"	"5829876"	•		
		"5859964"	"5876122"			
		"5923557" I	"5924086"	•		
		"5940290"	"5956663" I	•	1	
			•	•		
			"6017143" "6047222"	•		
]	"6192281"		"6199018"	1	
				•		
	i			PN.) and (expert al with network)		1
1_	19				IIGDAT.	2003/04/16
-	19			n) and (operat\$4	USPAT;	2003/04/16
	İ			(pert with engine)	US-PGPUB	09.50
_	3			ck)) and pump	IICDAT.	2003/04/16
-	3			tem) and (operat\$4	USPAT;	2003/04/16
				(pert with engine)	US-PGPUB	10:41
	•			ck)) and pump) and		
		(operat\$4 wi				
		(characteris			HCDAM.	2003/04/16
-	19			em) and (operat\$4	USPAT;	2003/04/16
				(pert with engine)	US-PGPUB	12:57
	ļ	and (neural				
	_	(operat\$4 wi				1 2002 /04 /25
1 - I		. imonitorS3 v	with system)	and (alert with	USPAT;	2003/04/16
{ J	2	cavitat\$3)		• • • • • • • • • • • • • • • • • • • •	US-PGPUB	10:40

-	2	(alert with cavitat\$3)		USPAT;	2003/04/16
•				US-PGPUB	10:33
-	95	(monitor\$3 with system) and	alert and	USPAT;	2003/04/16
	_	cavitat\$3		US-PGPUB	10:41
-	8	((monitor\$3 with system) and		USPAT;	2003/04/16
		cavitat\$3) and (characterist	ic with	US-PGPUB	10:41
		curve)			2002/24/25
-	3	(702/\$.ccls. and cavitat\$4 a		USPAT;	2003/04/16
		with parameter) and (monitor		US-PGPUB	12:08
	2	data)) and (characteristic w		HCDATT.	2002/04/16
-	.	(((monitor\$3 with system) and (expert		USPAT; US-PGPUB	2003/04/16 12:58
		with parameter) and (expert and (neural with network)) a		O3-FGFOB	12.50
		(pump with impeller)	nd pamp, and		
l _	0	(("3096434" "3404264" "3	468164"	USPAT;	2003/04/16
		"3590370" "3688190" "369		US-PGPUB	12:59
		· · · · · · · · · · · · · · · · · · ·	9383"		
		,	2199"		
		"4122719" "4250490" "433	7516"		
		"4399824" "4517468" "453	0234"		
		"4571689" "4635214" "464	2782"		
		"4644479" "4649515" "470	7796"		
		"4736367" "4777585" "483	1564"		
		1	7167"		
		· · · · · · · · · · · · · · · · · · ·	9753"		
		,	2965"		
			3815"		
		, ,	9984"		
		I	3409"		
		,	2794" 4574"		
		1	3452"		
		1	5678"		
		1	7328"		
	İ		4203"		
			5031"		
			4572"		
		1	3585"		
			1421"		
			3240"		
		· · · · · · · · · · · · · · · · · · ·	7449"		
		1	7612" 4341"		
			8406" I		
			9197"		
			2639"		
		· · · · · · · · · · · · · · · · · · ·	9156"		
		1	3387"		
]	"5485753" "5486996" "548	8697"		
		, ,	0799"	İ	
			1599"		
			3032"		
		,	3605"		
		, , ,	1668" 1335"		
			0109"		
		l ,	4011"		
		,	3668"		
		,	2845"		
			4891"		
		"5781878" "5801689" "580	5442"		
			8383"		
		,	7978"		
		, ,	6778"		
		,	0430"		
		, ,	5260"		
			9047" 9018"	İ	
		"6192281" "6195591" "619 "6263487" "6298377").PN.)			
		6263467 6296377).FN.) with impeller)	and (pump		
	ſ	1 3 2			

-	2	((monitor\$3 with system) and (operat\$4	USPAT;	2003/04/16
		with parameter) and (expert with engine)	US-PGPUB	12:59
		and (neural with network)) and (pump with		
		impeller)		
_	1	((monitor\$3 with system) and	USPAT;	2003/04/16
	1	(characteristic with curve with	US-PGPUB	12:59
		l ·	US-PGPUB	12.59
		(voltage-current or voltage or V-A)) and		
		(high with frequency fluctuations)) and		
	_	(pump with impeller)		
-	6	(detect\$3 with cavitation) and (operat\$3	USPAT;	2003/09/05
•		with parameter) and (pump with impeller)	US-PGPUB	15:01
-	2	(702/\$.ccls. or 700/\$.ccls.) and	USPAT;	2003/04/16
		(detect\$3 with cavitation) and (operat\$3	US-PGPUB	14:05
		with parameter) and (pump with impeller)		
_	10	(702/\$.ccls. or 700/\$.ccls.) and	USPAT;	2003/04/16
		(detect\$3 with cavitation) and (operat\$3	US-PGPUB	14:06
		with parameter) and (monitor\$3 with (data	** - ***	1
		or parameter))		
	o	(Characteristic with curve) same	HCDATT.	2002/00/05
_		(characteristic with curve) same	USPAT;	2003/09/05
	_	(operat\$3 with parameter) same caviation	US-PGPUB	17:01
-	0	(characteristic with curve) same	USPAT;	2003/09/05
	_	(operat\$3 with parameter) same caviation	US-PGPUB	14:36
-	0	(characteristic with curve) and	USPAT;	2003/09/05
		((operat\$3 with parameter) same caviation	US-PGPUB	14:37
)	1	
-	0	(characteristic with curve) and (operat\$3	USPAT;	2003/09/05
		with parameter) and (caviation with	US-PGPUB	14:37
		device)	•	
_	0	(characteristic with curve) and (operat\$3	USPAT;	2003/09/05
		with parameter) and caviation	US-PGPUB	14:38
_	0	characteristic and curve and (operat\$3	USPAT;	2003/09/05
_	١	with parameter) and caviation	US-PGPUB	
	27			14:38
_	27	(detect\$3 with cavitation) and (operat\$3	USPAT;	2003/09/05
	_	with parameter) and curve	US-PGPUB	17:18
-	6	((detect\$3 with cavitation) and (operat\$3	USPAT;	2003/09/08
		with parameter) and curve) and	US-PGPUB	12:34
		(character\$6 with curve)		
_	2	09/852945	USPAT;	2003/09/05
			US-PGPUB	15:04
-	5	(((detect\$3 with cavitation) and	USPAT;	2003/09/05
		(operat\$3 with parameter) and curve) and	US-PGPUB	16:23
		(character\$6 with curve)) and routine		
_	16	((detect\$3 with cavitation) and (operat\$3	USPAT;	2003/09/05
		with parameter) and curve) and routine	US-PGPUB	16:23
_	24	((character\$6 with curve) and (operat\$3	USPAT;	2003/09/07
	2.3	with parameter) an cavitation and	US-PGPUB	15:32
		(estimat\$3 near5 cavitation)	US-FGFUD	15.52
_	,	, · · · · · · · · · · · · · · · · · · ·	Hennm.	2002/00/05
-	1	(((character\$6 with curve) and (operat\$3	USPAT;	2003/09/05
		with parameter) an cavitation) and	US-PGPUB	17:05
		(estimat\$3 near5 cavitation)) and		
		Processor and memory		
-	1	(((character\$6 with curve) and (operat\$3	USPAT;	2003/09/05
		with parameter) an cavitation) and	US-PGPUB	17:06
		(estimat\$3 near5 cavitation)) and		
		(Processor or computer or CPU or		
		microcomputer) and memory		
-	1	(((character\$6 with curve) and (operat\$3	USPAT;	2003/09/05
	_	with parameter) an cavitation) and	US-PGPUB	17:06
		(estimat\$3 near5 cavitation)) and		
		(Processor or computer or CPU or		
		microcomputer or microprocessor) and		
]		memory	ļ	
_	1		HCDATT-	2002/00/05
-	1	(character\$6 with curve) same (estimat\$3	USPAT;	2003/09/05
	_	with cavitation)	US-PGPUB	17:28
-	2	(character\$6 with curve) same ((estimat\$3	USPAT;	2003/09/05
		or detect\$3 or sens\$3) with cavitation)	US-PGPUB	17:28
-	1	((character\$6 with curve) and (operat\$3	USPAT;	2003/09/07
		with parameter) and cavitation) and	US-PGPUB	15:32
1		(estimat\$3 near5 cavitation)		

-	1	(((character\$6 with curve) and (operat\$3	USPAT;	2003/09/07
		with parameter) and cavitation) and	US-PGPUB	15:34
		(estimat\$3 near5 cavitation)) and		
		(Processor or computer or CPU or		
		microcomputer or microprocessor)		
l <u> </u>	1	(("4234925" "4319320" "4486381"	USPAT;	2003/09/07
	-	"4490808" "4674279" "4683718"	US-PGPUB	16:36
i		"4770843" "4794544" "4823018"	05 10101	10.30
	į	"4994684" "5322412" "5346359"		
		"5402332").PN.) and (caviation)		
	_	("C150C04" "F040000" "F004500" "F64650"	IICDAM.	2002/00/07
-	5		USPAT;	2003/09/07
		"5573032").pn.	US-PGPUB	16:39
-	1	DE-19645129-\$.did.	USPAT;	2003/09/07
			US-PGPUB;	16:41
			EPO; JPO;	
			DERWENT	
-	2	WO-9721154-\$.did.	USPAT;	2003/09/07
			US-PGPUB;	16:41
1			EPO; JPO;	
1			DERWENT	
_	2	EP-943805-\$.did.	USPAT;	2003/09/07
			US-PGPUB;	16:42
			EPO; JPO;	- 3 1 1 2
			DERWENT	
_	10	(("6152684" "5940290" "5284523" "5646539"	USPAT;	2003/09/07
		"5573032").pn.) or DE-19645129-\$.did. or	US-PGPUB;	16:43
		WO-9721154-\$.did. or EP-943805-\$.did.	EPO; JPO;	10.43
		W0-9721154-3.d1d. Of EP-943005-3.d1d.	DERWENT	
	1	alert with user with cavitation	USPAT;	2003/09/08
-	1	alert with user with cavitation		
		.3	US-PGPUB	12:36
_	1	alert\$3 with user with cavitation	USPAT;	2003/09/08
		43 440	US-PGPUB	12:50
-	1	(alert\$3 or sens\$3 or nimble or agile or	USPAT;	2003/09/08
		athletic) with user with cavitation	US-PGPUB	12:38
-	5	associat\$4 with user with cavitation	USPAT;	2003/09/08
			US-PGPUB	12:41
-	1	user with presen\$4 with cavitation	USPAT;	2003/09/08
1			US-PGPUB	12:42
-	52	user with cavitation	USPAT;	2003/09/08
1			US-PGPUB	12:48
-	11	(user with cavitation) and plant	USPAT;	2003/09/08
			US-PGPUB	12:47
-	1	user with recogni\$6 with cavitation	USPAT;	2003/09/08
	_		US-PGPUB	12:49
l -	2	alert\$3 with cavitation	USPAT;	2003/09/08
	_		US-PGPUB	12:51
_	6	indicat\$3 with user with cavitation	USPAT;	2003/09/08
		Indicates with abel with cavitation	US-PGPUB	12:52
_	1	(piezoelectric near2 horn) with	USPAT;	2003/09/08
	1	cavitation	US-PGPUB	12:53
l _	4		USPAT;	2003/09/08
-	4	' -	· · · · · · ·	
L		cavitation	US-PGPUB	12:53